

**Abstract**

Systems and methods initiate and maintain treatment of a reduced blood perfusion incident using ultrasound in a clinical location or a non-clinical, even mobile location, outside a traditional medical setting. The systems and methods make possible a therapeutic ultrasound treatment modality that "follows the patient" while outside the medical center, while en route to the medical center, and even while being transported within the medical center itself. The systems and methods also make possible therapeutic ultrasound treatment modalities for a traditional medical setting, including cardiac rehabilitation centers, and for in-home use.